D-754-85A TRUCK INSPECTION ROADSIDE SITE PULLEY WINCH SIGN COVER '',4" Dia. bolt with washer — and lock washer and nut with spacer to prevent the freewheeling of the pulley. DETAIL A-The bolt shall be The boit shall be placed close enough to the pulley so the cable will not jump off the pulley or prevent the pulley from turning. '4" Plate welded to the shape shown so that cable will drop in to pulley slot. - DETAIL B 3/8" Dia. ______bolt with washer, lock washer and nuts. 1½" × 1½" perforated stringers Post Length See Plans tical Cleard See Plans - ³/8" Dia. bolt with washer. lock washer and nuts. Cable guide for Detail A DETAIL C-Clear The bolt shall -The bolt shall be placed close enough to the pulley so the cable will not jump off the pulley or prevent the pulley from turning. See - 1/4" Dia. bolt with washer and lock washer and nut with spacer to prevent the freewheeling of the pulley. -Pulling Winch SIDE VIEW FRONT VIEW - 3/8" Dia. bolt with washer. lock washer and nuts. DETAIL B 0 SIDE VIEW 0 0 Note: Pulling Winch: Winch shall be built for lifting and pulling operations with a self locking mechanism. The winch and cable attachment shall comply with SAE Standard J1853 and be mounted using three 3 /8" diameter bolts, washers and lock washers. Gears shall be laminated, high carbon steel. Gears shall be arc welded and drive gears shall be copper brazed. Reel shall be rigid welded construction for added strength. The reel shall be free wheeling when the ratchet is disengaged. Gear ratio shall be matched for easy cranking. Finish shall be zinc ploted. Handle shall be heavy duty steel with molded grips. Base shall be embossed reinforced steel. All drive shafts shall have permanently lubricated bearings. A cable clamp shall be included.Pulling winch shall have the large hub for use with the cable operation. SIDE VIEW FRONT VIEW (-+-) DETAIL C NORTH DAKOTA This document was DEPARTMENT OF TRANSPORTATION 63/4" FRONT VIEW Attachment hardware for the pulling winch and pulleys shall be 3/8" thick steel plate conforming to AASHTO 270 Grade 36 and galvanized in conformance with ASTM A-153. Pulleys shall be approximately 3" in diameter plus a 3/8" diameter for the cable ride. Pulleys shall have spacers between the hub and the attachment brackets so they will ride in the center of the brackets without moving back and forth. Bolts, nuts and washers shall be fabricated of steel meeting ASTM A-307 and galvanized in conformance with ASTM A-153. 8-12-05 originally issued SIDE VIEW REVISIONS and sealed by DATE CHANGE Mark S Gaydos, DETAIL A Registration Number PE-4518, on 08/12/05 and the Cable shall be a double galvanized 7 strand steel wire cable not less than $^{3} \prime _{8}^{\prime \prime}$ in diameter meeting ASTM A-475. original document is stored at the North Dakota Department of Transportation